1	What	is claimed is:		
2	1.	A method for logging events independently and separately from other		
3	proce	processes in a computer system, comprising:		
4		initiating an event, wherein the event is a process executed on a		
5		computer system;		
6		creating a log entry, wherein the log entry comprises information that		
7		describes the event;		
8		requesting that the log entry information be written to a log file,		
9		whereby the consumer surrenders control of the log entry, pausing execution		
10		of the event; and		
11		releasing control of the log entry to the consumer, so that execution		
12		of the event can resume, prior to writing the log entry information to the log		
13		file, wherein releasing control of the log entry to the consumer comprises:		
14		cloning the log entry, wherein the log entry clone is a copy of		
15		the log entry that comprises the log entry information.		
16				
17	2.	The method of claim 1, wherein the cloning step is performed by a		
18	mult	multiple-threaded log manager.		
19				
20	3.	The method of claim 1, further comprising:		
21		queuing the log entry clone in a queue that determines when the log		
22		entry information is written to the log file.		
23				
24	4.	The method of claim 3, wherein the queue is a first in, first out queue.		
25				
26	5.	The method of claim 3, wherein at some time the log entry clone has a turn,		
27	the n	the method further comprising:		
28		determining if the log entry clone is next in the queue; and,		
29		if the log entry clone is next in the queue, writing the log entry		
30		information to log file.		
31				
32	6.	The method of claim 1, wherein the log entry is an object comprising		
33	attril	outes populated with the log entry information.		
34				

1	7.	The method of claim 1, wherein the event is a configuration event.
2		
3	8.	The method of claim 1, wherein the consumer is a client.
4		
5	9.	The method of claim 1, wherein the event is a task event, the method further
6	comp	prising:
7		starting a log transaction, wherein starting a log transaction
8		comprises a consumer sending a message that a sequence of related task log
9		entries are to be sent.
10		
11	10.	The method of claim 9, further comprising
12		determining if the task event has ended, wherein the end of the task
13		event comprises the completion of the task event or a failure to complete the
14		task event; and,
15		if the task event has ended, terminating the log transaction, wherein
16		terminating the log transaction indicates that a sequence of log entries
17		associated with the task event has ended and that the log file may be rolled-
18		over without interrupting logging of the task event.
19		
20	11.	The method of claim 9, wherein the consumer is a task manager.
21		
22	12.	A computer readable medium containing instructions for logging events
23	inde	pendently and separately from other processes in a computer system, by:
24		a consumer initiating an event, wherein the event is a process
25		executed on a computer system;
26		creating a log entry, wherein the log entry comprises information that
27		describes the event;
28		requesting that the log entry information be written to a log file,
29		whereby the consumer surrenders control of the log entry, pausing execution
30		of the event; and,
31		releasing control of the log entry to the consumer, so that
32		execution of the event can resume, prior to writing the log entry
33		information to the log file.
34		

HP 10006616 19

1	13.	The computer readable medium of claim 12, wherein releasing control of		
2	the lo	the log entry to the consumer comprises:		
3		cloning the log entry, wherein the log entry clone is a copy of the log		
4		entry that comprises the log entry information.		
5				
6	14.	The computer readable medium of claim 13, further comprising instructions		
7	for lo	gging events entries independently and separately from other processes in a		
8	comp	computer system, by:		
9		queuing the log entry clone in a queue that determines when the log		
10		entry information is written to the log file.		
11				
12	15.	The computer readable medium of claim 14, wherein the log entry clone has		
13	a turn	, further comprising instructions for logging events entries independently and		
14	separa	separately from other processes in a computer system, by:		
15		determining if the log entry clone is next in the queue; and,		
16		if the log entry clone is next in the queue, writing the log entry		
17		information to log file.		
18				
19	16.	The computer readable medium of claim 12, wherein the log entry is an		
20	objec	t comprising attributes populated with the log entry information.		
21				
22	17.	A computer system that supports logging events independently and		
23	separa	ately from other processes in a computer system, comprising:		
24		a memory, that stores an application;		
25		a secondary storage device comprising a log file;		
26		a processor that runs the application, wherein the application		
27		comprises:		
28		a consumer, wherein the consumer initiates an event that is a		
29		process executed by the processor, creates a log entry comprising		
30		information that describes the event, and requests that the log entry		
31		information be written to the log file;		
32		a multiple-threaded log manager, wherein the log manager,		
33		independently and separately from other processes, logs events, by:		

1		receiving the log entry from the consumer, thereby		
2		obtaining control of the log entry and pausing execution of		
3		the event; and,		
4		releasing control of the log entry to the consumer, so		
5		that execution of the event can resume, prior to writing the		
6		log entry information to the log file.		
7				
8	18.	The computer system of claim 17, wherein releasing control of the log entry		
9	to the	to the consumer comprises:		
10		the log manager cloning the log entry, wherein the log entry		
11		clone is a copy of the log entry that comprises the log entry		
12		information.		
13				
14	19.	The computer system of claim 17, wherein the consumer is a task manager.		
15				
16	20.	The computer system of claim 17, wherein the log entry is an object that		
17	comp	rises attributes which are populated with the log entry information.		
18				

HP 10006616 21